

CLAIMS

1. A portable recording medium holding:
encoded compressed video information and/or encoded
compressed audio information, which are related to a
program to be broadcasted;
a reservation set command for setting a reservation
of video recording and/or audio recording of the program;
and
program attribute information including at least a
broadcast start time of the program.
2. The portable recording medium according to Claim 1,
further holding video information for reservation setting
which is used for selecting whether a reservation of
video recording and/or audio recording of the program is
set or not;
wherein when a selection is made to set a
reservation of video recording and/or audio recording of
the program, the reservation set command functions as a
command for setting the reservation of video recording
and/or audio recording of the program.
3. The portable recording medium according to Claim 1,
wherein the reservation set command and the program
attribute information are contained in reproduction
control information of a video unit; the reproduction
control information being placed at a leading end of each
video unit; the video unit comprising an I-picture, data
of which is compressed within a frame, a P-picture, data
of which is compressed with motion compensation of the I-
picture preceding in time, and a B-picture, data of which
is compressed with motion compensation of the I-picture
or P-picture preceding or following in time.

4. The portable recording medium according to Claim 1, further holding an identification number for identifying the program attribute information;

wherein the reservation set command and the identification number are contained in reproduction control information of a video unit; the reproduction control information being placed at a leading end of each video unit; the video unit comprising an I-picture, data of which is compressed within a frame, a P-picture, data of which is compressed with motion compensation of the I-picture preceding in time, and a B-picture, data of which is compressed with motion compensation of the I-picture or P-picture preceding or following in time.

5. The portable recording medium according to Claim 1, wherein the reservation set command and the program attribute information are contained in a command table in a management area placed in a lump in the portable recording medium, the command table being referenced after the program ends.

6. The portable recording medium according to Claim 1, further holding an identification number for identifying the program attribute information;

wherein the reservation set command and the program attribute information are contained in a command table in a management area placed in a lump in the portable recording medium, the command table being referenced after the program ends.

7. The portable recording medium according to Claim 1, further holding an identifier indicating whether the portable recording medium holds the reservation set

command and the program attribute information or not.

8. The portable recording medium according to Claim 1, wherein the portable recording medium comprises a reproduction-only area and a recordable area;

the reproduction-only area holding the encoded compressed video information and/or the encoded compressed audio information, the reservation set command, and the program attribute information;

the recordable area being an area, in which video recording and/or audio recording of the program can be made.

9. The portable recording medium according to Claim 8, wherein the portable recording medium is a single-sided dual-layer recording medium comprising a first recording layer and a second recording layer;

the first recording layer comprising the reproduction-only area;

the second recording layer comprising the recordable area.

10. A video recording/reproducing apparatus for reproducing data from a portable recording medium of Claim 1; the video recording/reproducing apparatus comprising:

a means for obtaining the reservation set command of the portable recording medium; and

a means for obtaining program attribute information in accordance with the reservation set command and setting a reservation of video recording and/or audio recording in accordance with the program attribute information.

11. A video recording/reproducing apparatus for reproducing data from a portable recording medium of Claim 5, the video recording/reproducing apparatus comprising:

a means for obtaining the reservation set command, with reference to a command table after the program ends; and

a means for setting a reservation of video recording and/or audio recording on the basis of the program attribute information in accordance with the reservation set command when a selection is made to set a reservation of video recording and/or audio recording of the program.

12. A video recording/reproducing apparatus for reproducing data from a portable recording medium of Claim 4, the video recording/reproducing apparatus comprising:

a means for obtaining the reservation set command of the portable recording medium; and

a means for obtaining program attribute information corresponding to the identification number in accordance with the reservation set command and setting a reservation of video recording and/or audio recording on the basis of the program attribute information.

13. A video recording/reproducing apparatus for reproducing data from a portable recording medium of Claim 7, the video recording/reproducing apparatus comprising:

a means for determining whether a reservation of video recording and/or audio recording in accordance with the reservation set command is set or not, on the basis of an identifier held in the portable recording medium;

a means for obtaining the reservation set command of the portable recording medium in accordance with a result of the determination of whether the reservation is set or not; and

a means for obtaining the program attribute information in accordance with the reservation set command and setting a reservation of video recording and/or audio recording on the basis of the program attribute information.

14. A video recording/reproducing apparatus for reproducing data from a portable recording medium of Claim 8, the video recording/reproducing apparatus comprising:

a means for obtaining the reservation set command of the portable recording medium; and

a means for obtaining the program attribute information in accordance with the reservation set command and setting a reservation of video recording and/or audio recording in a recordable area on the basis of the program attribute information.

15. A video reproducing apparatus for reproducing data from a portable recording medium of Claim 1, the video reproducing apparatus comprising:

a means for obtaining the reservation set command of the portable recording medium;

a means for obtaining the program attribute information in accordance with the reservation set command; and

a transmission means for sending the program attribute information.

16. A video recording apparatus comprising:

a means for receiving the program attribute information sent from the transmission means of a video reproducing apparatus of Claim 15;

a means for setting a reservation of video recording and/or audio recording on the basis of the received program attribute information; and

a record means for recording the program in accordance with the reservation of video recording and/or audio recording, which has been set.

17. A video recording/reproducing apparatus for reproducing data from a portable recording medium of Claim 1, the video recording/reproducing apparatus comprising:

a reproduction means for reproducing data from the portable recording medium;

a means for obtaining the reservation set command of the portable recording medium;

a means for obtaining the program attribute information in accordance with the reservation set command and setting a reservation of video recording and/or audio recording on the basis of the program attribute information; and

a record means for recording the program in accordance with the reservation of video recording and/or audio recording, which has been set;

the reproduction means and the record means being configured as one recording/reproducing means or as separate means.

18. A video recording/reproducing method of reproducing data from a portable recording medium of Claim 1, the video recording/reproducing method comprising the steps of:

obtaining the reservation set command of the portable recording medium; and

obtaining the program attribute information in accordance with the reservation set command and setting a reservation of video recording and/or audio recording on the basis of the program attribute information.

19. A video reproducing method of reproducing data from a portable recording medium of Claim 1, the video reproducing method comprising the steps of:

obtaining the reservation set command of the portable recording medium;

obtaining the program attribute information in accordance with the reservation set command; and

sending the program attribute information.

20. A video recording method comprising the steps of:

receiving the program attribute information sent by a video reproducing method of Claim 19;

setting a reservation of video recording and/or audio recording in accordance with the program attribute information, which has been received; and

recording the program in accordance with the reservation of video recording and/or audio recording, which has been set.